

FORM PTO-1449	SERIAL NO. To be Assigned	CASE NO. 3614/94
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE Herewith	GROUP ART UNIT FROM PRIOR APPLICATION 3762
(use several sheets if necessary)	APPLICANT(S): Vincent Chow et al.	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS
KDM	A1 2,760,483	08/28/56	Tassicker	
	A2 3,594,823	07/27/71	Collins	
	A3 3,628,193	12/21/71	Collins	
	A4 3,766,311	10/16/73	Boll	
	A5 3,848,608	11/19/74	Leonard	
	A6 3,914,800	10/28/75	Collins	
	A7 4,001,867	01/04/77	Kravitz et al.	
	A8 4,211,474	07/08/80	Le Goff	
	A9 4,251,887	02/24/81	Anis	
	A10 4,272,910	06/16/81	Danz	
	A11 4,551,149	11/05/85	Sciarra	
	A12 4,600,004	07/15/86	Lopez et al.	
	A13 4,601,545	07/22/86	Kern	
	A14 4,628,933	12/16/86	Michelson	
	A15 4,679,572	07/14/87	Baker, Jr.	
	A16 4,681,102	07/21/1987	Bartell	
	A17 4,750,498	06/14/88	Graham	
	A18 4,810,050	03/07/89	Hooper	
	A19 4,832,202	06/1989	Newman et al.	
	A20 4,873,448	10/10/89	Shirai	
	A21 4,978,842	12/18/90	Hinton et al.	
	A22 5,016,633	05/21/91	Chow	
	A23 5,024,223	06/18/91	Chow	
	A24 5,109,844	05/1992	de Juan Jr. et al.	
	A25 5,130,528	07/14/92	Phillips, Jr.	
	A26 5,130,776	07/14/92	Popovic et al.	
	A27 5,159,927	11/03/92	Schmid	
	A28 5,223,728	06/29/93	Gempe	
	A29 5,256,882	10/1993	Miyasaka	
	A30 5,273,530	12/28/1993	del Cerro et al.	
	A31 5,338,991	08/16/94	Lu	
	A32 5,351,309	09/27/94	Lee et al.	
	A33 5,397,350	03/14/95	Chow et al.	
	A34 5,411,540	05/02/95	Edell et al.	
	A35 5,476,494	12/19/95	Edell et al.	
	A36 5,491,349	02/13/96	Komoto et al.	
KDM	A37 5,556,423	09/17/96	Chow et al.	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS
KDM	A38 5,648,655	07/15/97	Rostoker	
	A39 5,717,201	02/10/98	Lin et al.	
	A40 5,817,075	10/06/1998	Giungo	
	A41 5,865,839	02/02/99	Doorish	
	A42 5,868,728	02/09/1999	Giungo et al.	
	A43 5,895,414	04/1999	Chow et al.	
	A44 5,895,415	04/20/99	Chow et al.	
	A45 5,935,155	08/10/99	Humayun et al.	
	A46 5,941,250	08/24/1999	Aramant et al.	
	A47 5,944,747	08/31/99	Greenberg et al.	
	A48 5,962,027	10/05/1999	Hughes	
	A49 6,032,062	02/29/00	Nisch	
	A50 6,035,236	03/07/00	Jarding et al.	
	A51 6,159,218	12/12/2000	Aramant et al.	
KDM	A52 6,230,057	05/2001	Chow et al.	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	TRANSLATION NO
KDM	WO 99/15119	04/01/99	PCT			
	DE-OS 195 29 371	02/13/97	Germany			
	GB 2 229 543 A	09/26/90	Great Britain			
	0 501 904 A2	02/26/92	EPO			
KDM	0 233 789	02/20/87	EPO			
	0 084 621 A2	11/23/82	EPO			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
KDM	A59	Article published in <i>Science News</i> , February 2, 1974, Vol. 105, No. 5, p. 105.
	A60	Article published in <i>Science</i> , July 1981.
	A61	Abrams, Dr. Susan B., "Implanted photodiodes could restore lost vision", <i>Biophotonics Research</i> , 2 pages, 1997
	A62	Ando, Haruhisa, et al. "Design Consideration and Performance of a New MOS Imaging Device", 6 pages, <i>IEEE</i> (1985)
	A63	Armington, J.C., Brigell, M., "Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electoretinogram," <i>Int J. Neurosci.</i> , 1981; 14:169-178.
	A64	Baylor, D.A., Fourtes, M.G.F., "Electrical Responses of Single Cones in the Retina of the Turtle," <i>J Physiol.</i> , 1970; 207:77-92.
KDM	A65	Bergmann-Schaefer, "Lehrbuch der Experimentalphysik" (Textbook of Experimental Physics), vol. II, "Electricity and Magnetism" by Prof. Dr. -Ing. H. Gobrecht, 3 pp., (1971) plus translation.

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Krista Muller	11/4/05

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KDM	A66	Bobsch, M.D., Joseph M. and Grosser, Ph.D., Morton "Newer Repair at the AXOM Level: A Merger of Microsurgery and Microelectronics," VCH Publishers, Inc. (1967).
	A67	Boettner, E.A., Wolter, J.R., "Transmission of the Ocular Media," <i>Invest Ophthalmol</i> , 1962; 1:776-783.
	A68	Brady, G.S., Clouser, H.R., <i>Materials Handbook, Thirteenth Edition</i> , New York, McGraw-Hill, 1991; 739-740.
	A69	Brindley, G.S., "The Site of Electrical Excitation of the Human Eye," <i>J. Physiol</i> , 1955; 127-189-200.
	A70	Brindley, G.S., "Beats Produced by Simultaneous Stimulation of the Human Eye with Intermittent Light and Intermittent or Alternating Electric Current," <i>J. Physiol</i> , 1962; 164:156-167.
	A71	Brown, et al., "Monolithically Integrated 1 x 12 Array of Planar InGaAs/InP Photodiodes," <i>Journal of Lightwave Technology</i> , Vol. LT-4, No. 3, March 1986, pgs. 283-286.
	A72	Chapin, D.M., et al., "A New Silicon p-n Junction Photocell for Converting Solar Radiation into Electrical Power," Letters to the Editor, <i>Journal of Applied Physics</i> , Vol. 25, (Jan.-Dec., 1954) .
	A73	Chow, A.Y., "Electrical Stimulation of the Rabbit Retina with Subretinal Electrodes and High Density Microphotodiode Array Implants," ARVO Abstracts, <i>Invest Ophthalmol Vis Sci.</i> 199334 (Suppl):835.
	A74	Curcio, C.A., Sloan, K.R., Kaliba, R.E., Hendrickson, A.E., "Human Photoreceptor Topography," <i>J of Comparative Neurology</i> , 1990; 292:497-523.
	A75	Dawson, W.W., Radtke, N.D., "The Electrical Stimulation of the Retina by Indwelling electrodes," <i>Invest Ophthalmol Vis Sci.</i> , 1997; 16:249-252.
	A76	Dowling, J.E., Ripps, H., Visual Adaptation in the Retina of the Skate," <i>J Gen Physiol</i> , 1970; 56:491-520.
	A77	Eagle, R.C., Lucier, A.C., Bernardino, V.B., et al., "Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus," <i>Ophthalmol</i> , 1980; 87:1189-1200.
	A78	Encyclopedia of Electronics, 2d Ed., Stan Gibilisco and Neil Slater, Co-Editors-in-Chief, pp. 640-645 (1990).
	A79	Fenwick, P.B.C., Stone, S.A., Bushman, J., Enderby, D., "Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration," <i>Electroencephalogr Clin Neurophysiol</i> , 1984; 57:178-183.
	A80	John B. Flynn, et al. "Total Active Area Silicon Photodiode Array", 3 pages (1964).
	A81	Graeme, J., "Position-Sensing Photodiode Amplifiers," Ch. 10, 12 pages
	A82	Granit, R., Helme, T., "Changes in Retinal Excitability Due to Polarization and Some Observations on the Relation Between the Processes in Retina and Nerve," <i>J. Neurophysiol</i> , 1939; 2:556-565.
V	A83	Hagins, W.A., Penn, R.D., Yoshikami, S., "Dark Current and Photocurrent in Retinal Rods," <i>Biophys J.</i> , 1970; 10:380-412.
KDM	A84	Hergert, Karl, "Detectors: Expanded Photodetector Choices Pose Challenges for Designers", <i>The Photonics Design and Applications Handbook</i> (1996).

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KDM	A85	Humayun, M.S., Propst, R.H., Hickinbotham, D., deJuan E., Jr., Dagnelie G., "Visual Sensations Produced by Electrical Stimulation of the Retinal Surface in Patients with Ed-Stage Retinitis Pigmentosa (RP)," ARVO Abstracts, <i>Invest Ophthalmol Vis. Sci.</i> , 1993; 34 (Suppl):835.
	A86	Humayun, M., Propst R., De Juan, E., et al., "Bipolar Surface Electrical Stimulation of the Vertebrate Retina," <i>Arch Ophthalmol</i> , 1994; 112:110-116.
	A87	Kataoka, "An Attempt Towards an Artificial Retina: 3-D IC Technology for an Intelligent Image Sensor," <i>Transducers '85: International Conference on Solid-State Sensors and Actuators</i> 1985, pp. 440-442.
	A88	Knighton, R.W., "An Electrically Evoked Slow Potential of the Frog's Retina. I. Properties of Response," <i>J. Neurophysiol</i> , 1975; 38:185-197.
	A89	Lin, Heng-Chih, et al., "The Vertical Integration of Crystalline NMOS and Amorphous Orientational Edge Detector" <i>IEEE Briefs</i> , 3 pages, (1992).
	A90	Melen, et al., "A Transparent Electrode CCD Image Sensor for a Reading Aid for the Blind," <i>IEEE Journal of Solid-State Circuits</i> , Vol. SC-9, No.2, April 1974, pp. 41-48.
	A91	Narayanan, M.V., Rizzo, J.F., Edell, D., et al., "Development of a Silicon Retinal Implant: Cortical Evoked Potentials Following Focal Stimulation of the Rabbit Retina with Light and Electricity," ARVO Abstracts, <i>Invest Ophthalmol Vis Sci.</i> , 1994; 35(Suppl): 1380.
	A92	Pagon, R.A., "Retinitis Pigmentosa," <i>Surv Ophthalmol.</i> , 1988; 33:137-177.
	A93	Paton, D., Goldberg, M.F., <i>Management of Ocular Injuries</i> , Philadelphia, W.B. Saunders Co., 1976; 134-135.
	A94	The Penguin Dictionary of Electronics, Editor: Valerie Illingworth, Carol Young Market House Books Ltd., pp. 410-413 (1988).
	A95	Potts, A.M., Inoue J., Buffum D., "The Electrically Evoked Response of the Visual System (EER)," <i>Invest Ophthalmol Vis Sci.</i> , 1968; 7:269-278.
	A96	Robblee, Lois S., <i>Electrochemical Guidelines for Selection of Protocols and Electrode Materials for Neural Stimulation</i> , ch. 2, Renner Learning Resource Center (undated).
	A97	Rovamo, J., Virsu, A., "An Estimation and Application of the Human Cortical Magnification Factor," <i>Exp Brain Res.</i> , 1979; 37:495-510.
	A98	Rubin, M.L., <i>Optics for Clinicians</i> , Gainesville, TRIAD Scientific Publishers, 1974; 119-123.
	A99	Shannon, R.V., "A Model of Safe Levels for Electrical Stimulation," <i>IEEE Trans Biomed Eng.</i> , 1992; 39:424-426.
	A100	Smith, J., "Creating a Bionic Eye", ABC News, 11/5/98, 3 pp.
	A101	Stone, J.L., Barlow, W.E., Humayun, M.S., deJuan, E., Jr., Milam, A.H., "Morphometric Analysis of Macular Photoreceptor and Ganglion Cells in Retinas with Retinitis Pigmentosa," <i>Arch Ophthalmol</i> , 1992; 110:1634-1639.
	A102	Sze, S.M., "Physics of Semiconductor Devices", 2 nd Ed., A Wiley-Interscience Publication, John Wiley & Sons, (undated).
↓	A103	Tasman, E., ed. <i>Duane's Foundations of Clinical Ophthalmology</i> , Volume 3, Philadelphia, Lippincott, 1992; chapter 13:20-25, chapter 60:1-112.
KDM	A104	Terr, L.I., Linthicum, F.H., House, W.F., "Histopathologic Study of the Cochlear Nuclei After 10 Years of Electrical Stimulation of the Human Cochlea," <i>Am J Otol.</i> , 1988; 9:1-7.

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KDM	A105	Tomita, T., "Electrical Activity of Vertebrate Photoreceptor," <i>Q Rev. Biophys.</i> , 1970; 3:179-222.
KDM	A106	Zrenner, Dr. Eberhart, The Development of Subretinal Microphotodiodes for Replacement of Degenerated Photoreceptors, <i>Ophthalmic Res.</i> pp. 269-280 (1997).

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